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(21) International Application Number: PCT/US93/10624 (22) International Filing Date: 5 November 1993 (05.11.93) (30) Priority data: 07/973,337 5 November 1992 (05.11.92) US		(72) Inventors; and (75) Inventors/Applicants (<i>for US only</i>) : ISRAELI, Ron, S. [US/US]; 950 49th Street, Apartment 6K, Brooklyn, NY 11219 (US). HESTON, Warren, D., W. [US/US]; 400 East 85th Street, Apartment 18B, New York, NY 10028 (US). FAIR, William, R. [US/US]; 400 East 70th Street, Apartment 3501, New York, NY 10021 (US). (74) Agent: COBERT, Robert, J.; Cooper & Dunham, 30 Rockefeller Plaza, New York, NY 10112 (US). (81) Designated States: CA, JP, US, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).	
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(71) Applicant (<i>for all designated States except US</i>): SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH [US/US]; 1275 York Avenue, New York, NY 10021 (US).			

(54) Title: PROSTATE-SPECIFIC MEMBRANE ANTIGEN

(57) Abstract

This invention provides for an isolated mammalian nucleic acid molecule encoding a mammalian prostate-specific membrane antigen. This invention provides for nucleic acid probes which specifically hybridize with the nucleic acid molecule encoding said antigen. This invention provides for a method of detecting hematogenous micrometastatic tumor cells of a subject performing the polymerase chain reaction (PCR) on samples of the subject using primers of said antigen. This invention provides for methods to identify ligands which bind to said antigen. This invention provides for the prevention and/or treatment of prostate tumor growth.

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